HW-E350

# Crystal Surround Air Track
## (Active Speaker System)
## user manual

imagine the possibilities

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To receive more complete service,
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www.samsung.com/register

SAMSUNG

# features

### HDMI

HDMI transmits digital video and audio signals simultaneously, and provides a clearer picture.
The unit is also equipped with the ARC function which lets you listen to sound from your TV via an HDMI cable through the Crystal Surround Air Track. This function is only available if you connect the unit to an ARC compliant TV.

### 3D Depth Sound

The 3D sound feature adds depth and spaciousness to your listening experience.

### Special Sound mode

You can select from 7 different sound modes - MUSIC, NEWS, DRAMA, CINEMA, SPORTS, GAME, and OFF (Original Sound) - depending on the type of content you want to enjoy.

### Multi-function Remote Control

The supplied remote control can be used to control the TV connected to this unit. (Works only for Samsung TVs)
The remote control has a TV hotkey that enables you to perform various operations with the simple press of a button.

### Active Speaker System

This unit features an Active Speaker System that provides high sound quality in a single slim unit.
This unit does not require any satellite loudspeakers or speaker cabling, which are normally associated with conventional surround sound systems.

### USB Host support

You can connect and play music files from external USB storage devices such as MP3 players, USB flash memory, etc. using the Air Track's USB HOST function.

## LICENSE

DOLBY DIGITAL

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dts 2.0 Channel

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HDMI

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- To send inquiries and requests regarding open sources, contact Samsung via Email (oss.request@samsung.com).
  - This product uses some software programs which are distributed under the Independent JPEG Group.

# safety information

## SAFETY WARNINGS

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER(OR BACK).
NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates “dangerous voltage” inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.

**WARNING** : To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

**CAUTION** : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.
- This apparatus shall always be connected to a AC outlet with a protective grounding connection.
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

**CAUTION**
- Do not expose this apparatus to dripping or splashing. Do not put objects filled with liquids, such as vases on the apparatus.
- To turn this apparatus off completely, you must pull the power plug out of the wall socket. Consequently, the power plug must be easily and readily accessible at all times.

### Wiring the Main Power Supply Plug (UK Only)

**IMPORTANT NOTICE**

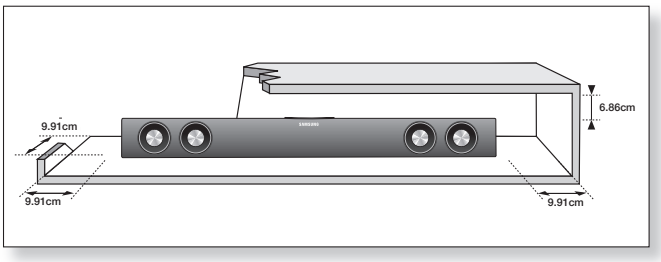
The mains lead on this equipment is supplied with a moulded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug and if it requires replacing, a fuse approved to BS1362 of the same rating must be used.
Never use the plug with the fuse cover removed. If the cover is detachable and a replacement is required, it must be of the same colour as the fuse fitted in the plug. Replacement covers are available from your dealer.
If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance.
However, if there is no alternative to cutting off the plug, remove the fuse and then safely dispose of the plug. Do not connect the plug to a mains socket as there is a risk of shock hazard from the bared flexible cord.
Never attempt to insert bare wires directly into a mains socket. A plug and fuse must be used at all times.

**IMPORTANT**

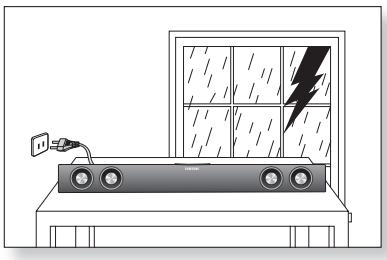
The wires in the mains lead are coloured in accordance with the following code:– BLUE = NEUTRAL BROWN = LIVE
As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:–
The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK.
The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

**WARNING : DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E OR BY THE EARTH SYMBOL ⏚, OR COLOURED GREEN OR GREEN AND YELLOW.**

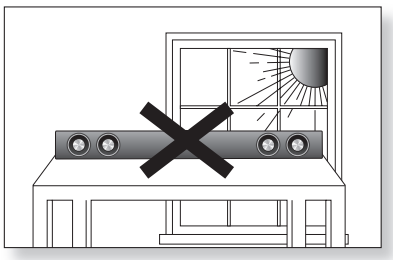
# PRECAUTIONS



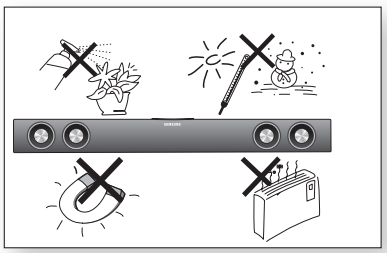

Ensure that the AC power supply in your house complies with the power requirements listed on the identification sticker located on the back of your product. Install your product horizontally, on a suitable base (furniture), with enough space around it for ventilation (7~10 cm). Make sure the ventilation slots are not covered. Do not place the unit on amplifiers or other equipment which may become hot. This unit is designed for continuous use. To fully turn off the unit, disconnect the AC plug from the wall outlet. Unplug the unit if you intend to leave it unused for a long period of time.



During thunderstorms, disconnect the AC plug from the wall outlet. Voltage peaks due to lightning could damage the unit.

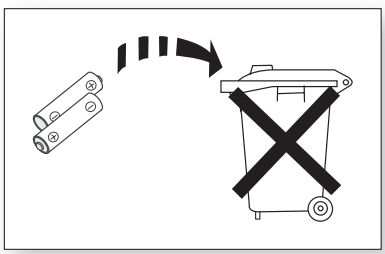


Do not expose the unit to direct sunlight or other heat sources. This could lead to overheating and malfunction of the unit.



Protect the product from moisture (i.e. vases) , and excess heat (e.g.fireplace) or equipment creating strong magnetic or electric fields Disconnect the power cable from the AC supply if the unit malfunctions. Your product is not intended for industrial use. Use of this product is for personal use only.

Condensation may occur if your product has been stored in cold temperatures. If transporting the unit during the winter, wait approximately 2 hours until the unit has reached room temperature before using.



The batteries used with this product contain chemicals that are harmful to the environment.
Do not dispose of batteries in the general household trash.

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ENG


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# getting started

## BEFORE READING THE USER'S MANUAL

Note the following terms before reading the user manual.

### Icons used in this manual

| Icon | Term | Definition |
|---|---|---|
| | Caution | Indicates a situation where a function does not operate or settings may be canceled. |
| | Note | Indicates tips or instructions on the page that help each function operate. |

### Safety instructions and troubleshooting

1) Be sure to be familiar with the Safety Instructions before using this product. (See page 3)
2) If a problem occurs, check Troubleshooting. (See page 20)

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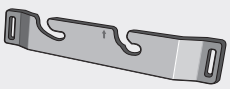
## WHAT'S INCLUDED

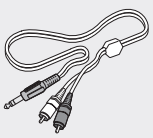
Check for the supplied accessories shown below.

Remote Control / Batteries (AAA size)



Bracket-Wall Mount

User Manual



Audio Cable

(For HDMI cable 1EA)

(Large)

(Small)
(For Audio cable 1EA)

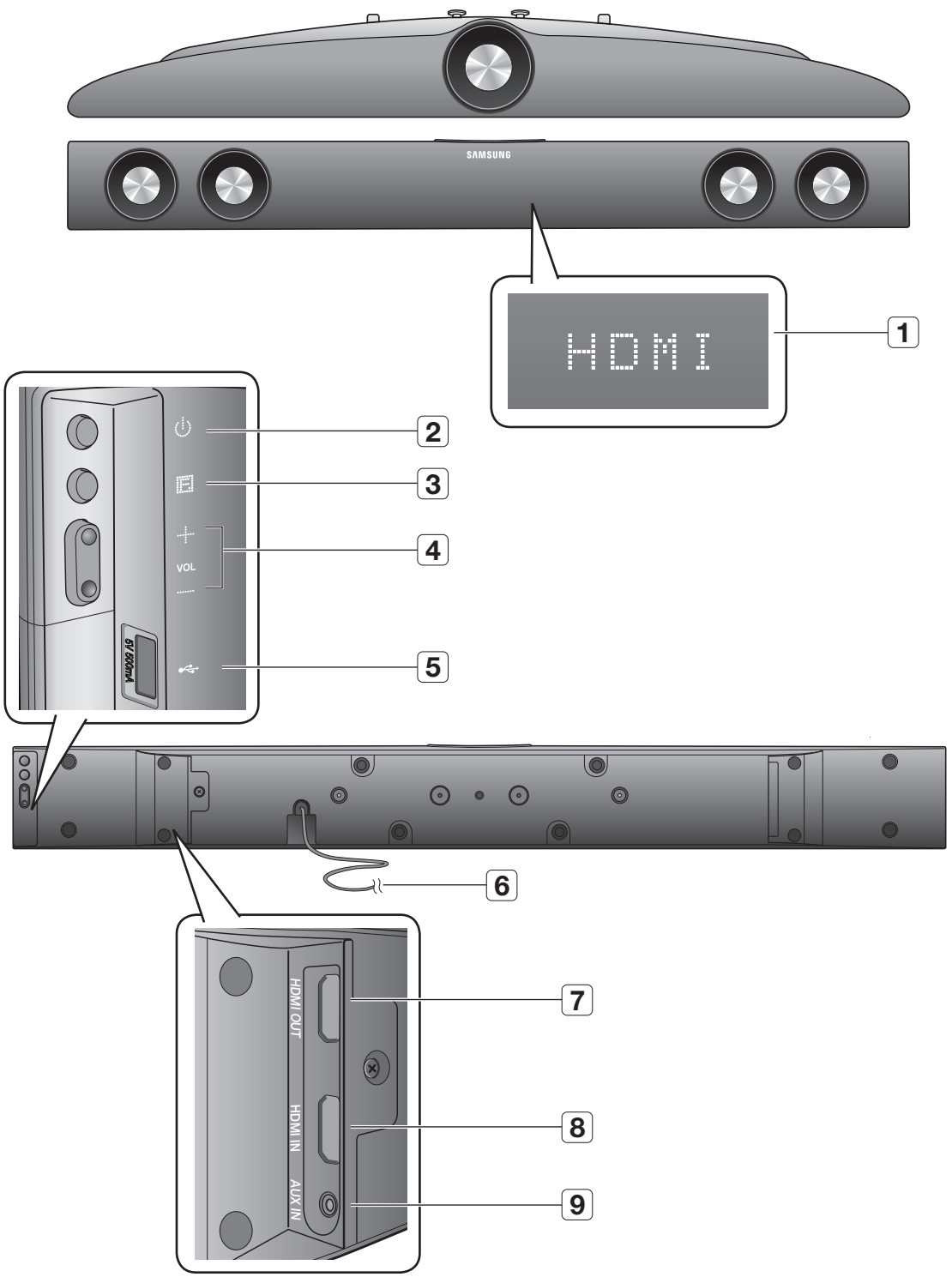
Toroidal Ferrite Core

USB Cable

- The appearance of the accessories may differ slightly from the illustrations above.
- Use the dedicated USB cable to connect external USB devices to the unit.

# descriptions

## FRONT/REAR PANEL



| | | |
|---|---|---|
| 1 | DISPLAY | Displays the current mode. |
| 2 | POWER BUTTON | Turns the Crystal Surround Air Track on and off. |
| 3 | FUNCTIONS BUTTON | Selects the AUX, HDMI, USB, ARC input. |
| 4 | VOLUME +/- | Controls the volume level. |
| 5 | USB PORT | Connect here and play files from external USB storage devices such as MP3 players. |
| 6 | POWER SUPPLY CABLE | Plug the power supply cable into the AC wall outlet. |
| 7 | HDMI OUT JACK | Outputs digital video and audio signals simultaneously using an HDMI cable. |
| 8 | HDMI IN JACK | Receives digital video and audio signals simultaneously using an HDMI cable. |
| 9 | AUX IN | Connect to the Analog output of an external device. |

- When you turn on the power of this unit, there will be a 4 to 5 second delay before it produces sound.

# remote control

## TOUR OF THE REMOTE CONTROL

**POWER BUTTON**
Turns the Crystal Surround Air Track on and off.

**SAT SOURCE**
Press to select a connected SAT source. (SAT:Surround Air Track)

**SOUND EFFECT**
Selects the Sound Effect: (MUSIC, NEWS, DRAMA, CINEMA, SPORTS, GAME, OFF (Original Sound))

**SAT MUTE**
Mutes the sound from the unit. Press again to restore the sound to the previous volume level.

**VOLUME**
Adjusts the volume level of the unit.

**REPEAT**
Select Repeat File, All, Random.

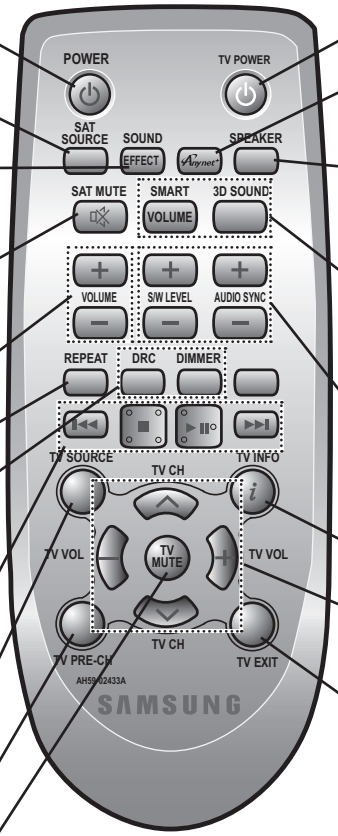
**DRC, DIMMER**
You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night (Standard, MAX, MIN).
You can control the brightness of the Display.

**CONTROL BUTTON**
Play, pause or stop playing a Music file, or search for the Music file next or back.

**TV SOURCE**
Press to select a connected TV's video source.

**TV PRE-CH**
Moves to the previous TV channel

**TV MUTE**
Mutes the sound from the TV. Press again to restore the sound to the previous volume level.




**TV POWER BUTTON**
Turns your Samsung TV on and off.

**Anynet+**
Anynet+ is a function that enables you to control other Samsung Devices with your Samsung TV's remote control.

**SPEAKER**
This button allows you to choose to listen to audio from the Air track or your TV. (This function supports the via an HDMI cable.)

**SMART VOLUME, 3D SOUND**
Regulates and stabilizes the volume level against a drastic volume change.
This feature adds depth and spaciousness to the sound.

**S/W LEVEL, AUDIO SYNC**
Adjusts the Subwoofer level.
Used to help sync video to audio when connected to a digital TV.

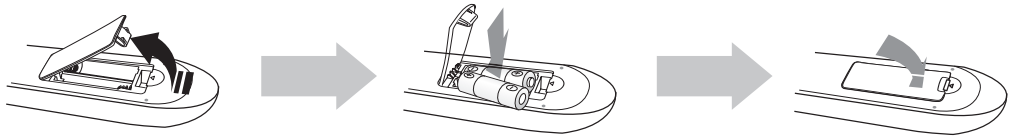
**TV INFO**
Display current TV status.

**TV CHANNEL, TV VOLUME**
Switches between the available TV channels.
Adjusts the TV volume level.

**TV EXIT**
Exits TV (functions same as the EXIT button of the TV remote control)

- SAT stands for Surround Air Track, which is a Samsung's proprietary name.
- The remote control can operate TVs made by SAMSUNG only.
- Depending on the TV you are using, you may not be able to operate your TV with this remote control. If you can't, operate the TV using the TV's remote control.

### Installing batteries in the Remote Control



1. Lift the cover at the back of the remote control upward as shown.
2. Install two AAA size batteries. Make sure to match the "+" and "–" ends of the batteries with the diagram inside the compartment.
3. Replace the cover. Assuming typical TV usage, the batteries last for about one year.

### Operation Range of the Remote Control

You can use the remote control up to 23 feet (7 meters) in a straight line from the unit. You can also operate the remote at a horizontal angle of up to 30° from the remote control sensor.

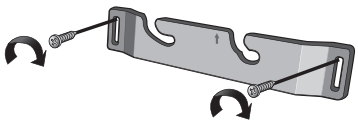
## INSTALLING THE WALL MOUNT

You can use the wall mount bracket to mount this unit on a wall.

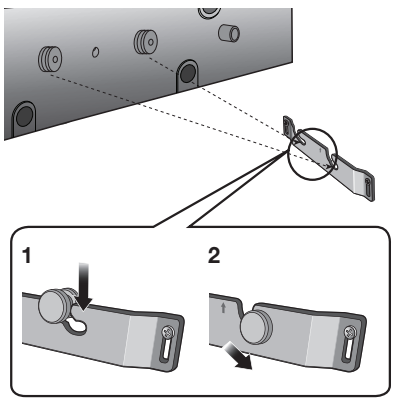
### Installation Precautions

- Install on a vertical wall only.
- For the installation, avoid a location with high temperature or humidity, or wall that cannot sustain the weight of the set.
- Check the strength of the wall. If the strength of the wall is insufficient for the product installation, make sure to reinforce the wall before the installation.
- Check the material of the wall. If the wall is made of plaster board, marble, or iron board, purchase and use the appropriate fixing screws or mollys.
- Connect cables from the unit to external devices before you install it on the wall.
- Make sure the unit is turned off and unplugged before you install it. Otherwise, it may cause an electric shock.

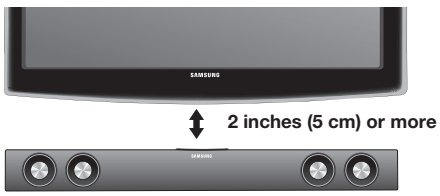
**1.** Place the wall mount bracket on a wall surface and then secure it with two screws (not supplied).
If you are hanging the unit below a TV, be sure to install the wall mount bracket so that the arrow (⬆) is placed in the center of the TV.
Also make sure the unit is at least two inches (5 cm) below the TV.



**2.** Fit the unit into the corresponding slots of the wall mount bracket. For secure installation, make sure the mounting studs slide firmly down into the bottom of the slots.

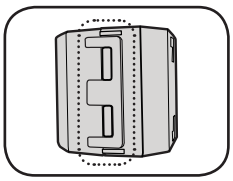



**3.** The installation is complete.

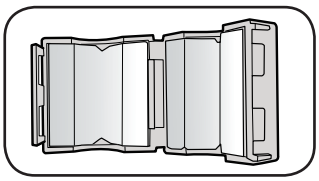


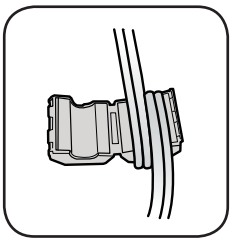

- Do not hang onto the installed unit and avoid any impact to the unit.
- Secure the unit firmly to the wall so that it does not fall off. If the unit falls off, it may cause an injury or damage to the product.
- When the unit is installed on a wall, please make sure that children do not pull any of the connecting cables, as it may cause it to fall.
- For the optimal performance of a wall mount installation, keep the speaker system at least 2 inches (5 cm) away from the TV.

## INSTALLING THE TOROIDAL FERRITE ON THE HDMI IN/OUT CABLE

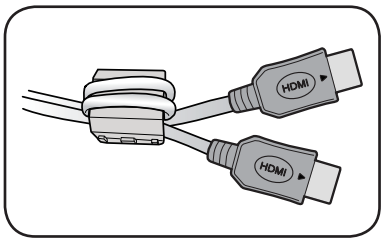


Lift up to release the lock and open the core.



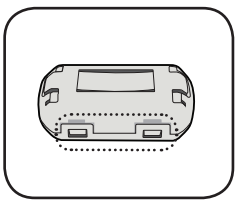


Wind both HDMI IN/OUT cables together, make one turn around the core.
(Start winding at 5-10cm away from the plugs)

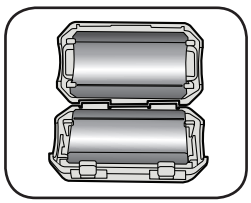


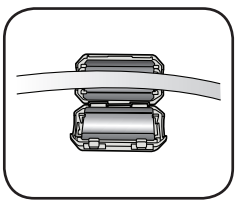

Close the lock back.

## INSTALLING THE FERRITE CORE ON THE AUDIO CABLE

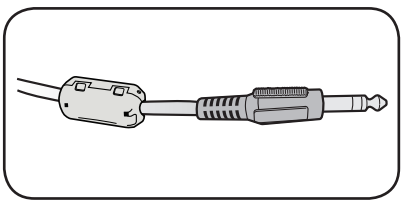


Lift up to release the lock and open the core.





Place the audio cable on the opened core.

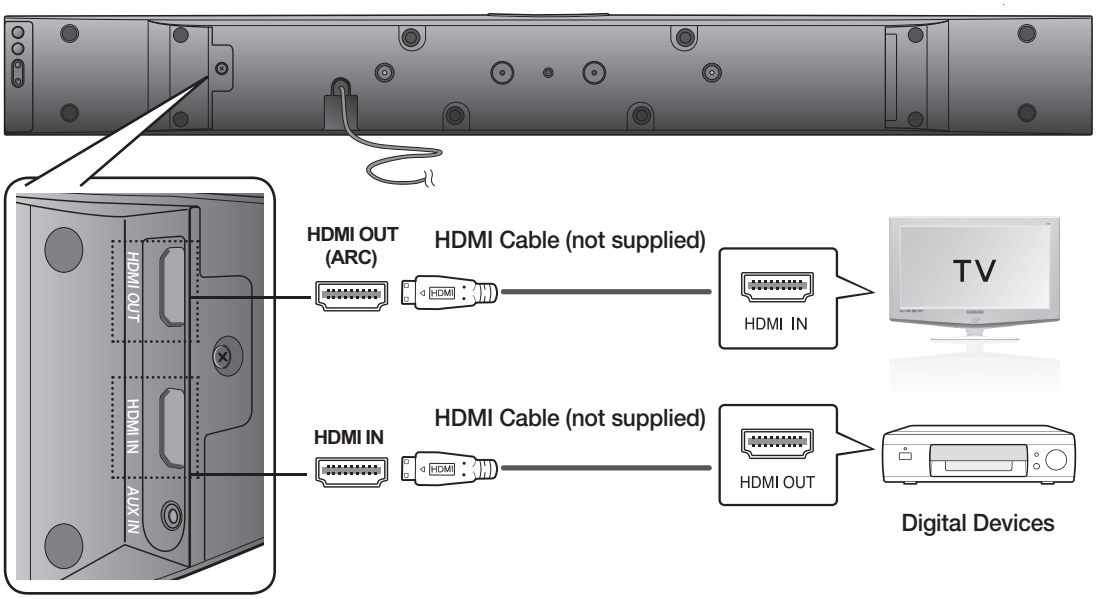


Close the lock back.

## CONNECTING THE CRYSTAL SURROUND AIR TRACK

HDMI is a standard digital interface for connecting to such devices as a TV, projector, DVD player, Blu-ray player, set top box and more.

HDMI removes any loss of signal from analog conversion, enabling you to enjoy video and audio sound quality as it was originally created in the digital source.




**HDMI IN**

Connect an HDMI cable (not supplied) from the HDMI IN jack on the back of the product to the HDMI OUT jack on your digital devices.

**and,**

**HDMI OUT (HDMI)**

- Connect an HDMI cable from the HDMI OUT jack on the back of the product to the HDMI IN jack on your TV.

▪ HDMI is an interface that enables the digital transmission of video and audio data with just a single connector.

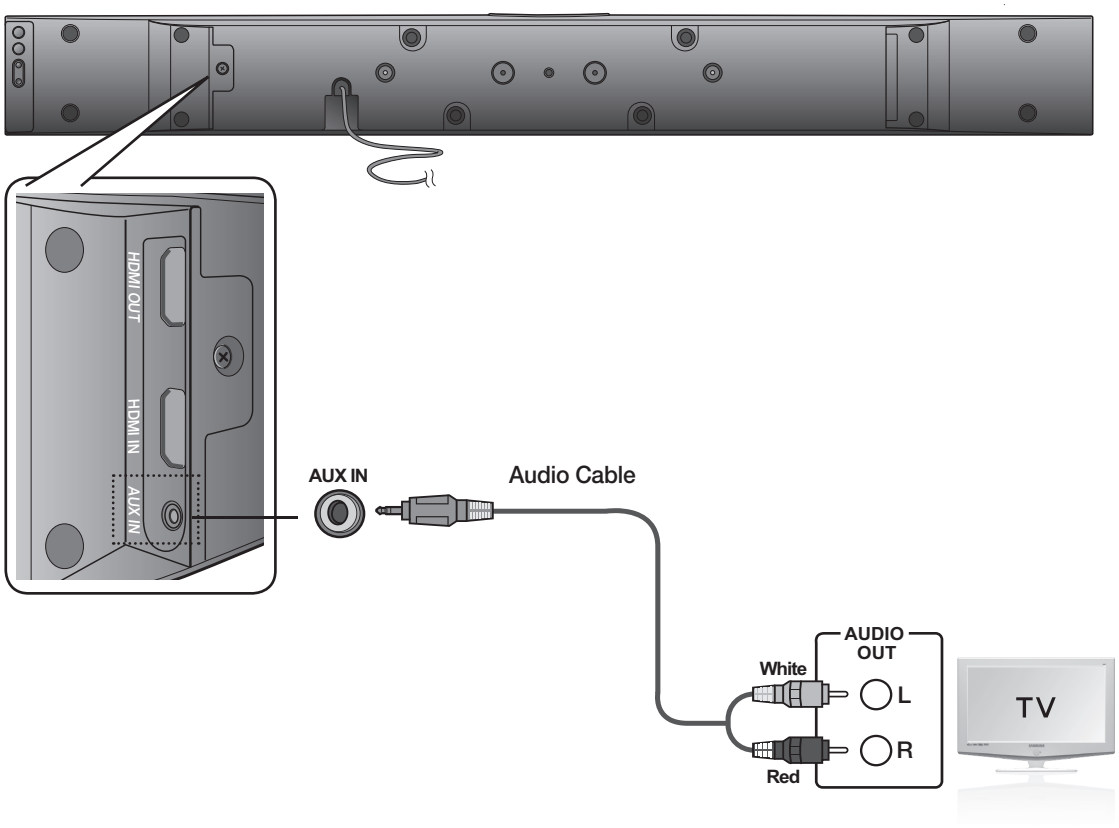
**HDMI OUT (ARC)**

- The ARC function allows digital audio to output via the HDMI OUT (ARC) port.
  It can be enabled only when the Air Track is connected to a TV that supports the ARC function.
- Anynet+ must be turned on.

▪ This function is not available if the HDMI cable does not support CEC.

# CONNECTING THE CRYSTAL SURROUND AIR TRACK

This section explains ways (analog) of connecting the unit to a TV.
This unit is equipped with one audio analog jack for connecting a TV.

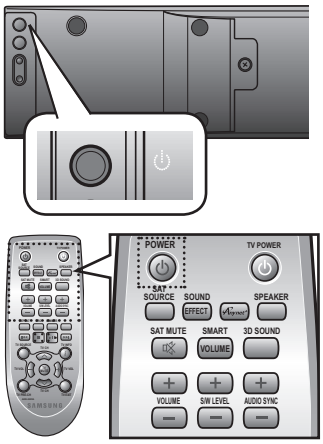



**AUX IN**

Connect AUX IN on the main unit to the AUDIO OUT of the TV or Source Device.
Be sure to match connector colors.

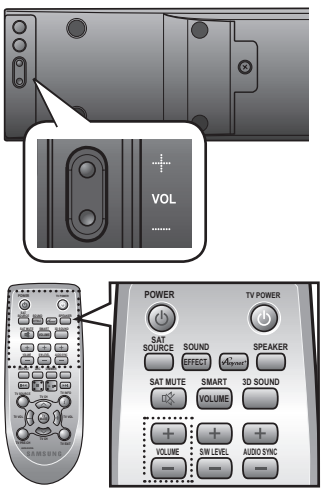
- Do not connect the power cord of this product or your TV to the wall outlet until all connections between components are complete.
- Before moving or installing this product, be sure to turn off the power and disconnect the power cord.
- If you select 'AUX' without connecting the Audio Cable, the set is turned off automatically after 20 minutes.

## BASIC FUNCTIONS




### Turning the power on/off

1. Press the **POWER** ( ⏻ ) button in the right corner of the front panel.
   or,
   Press **POWER** on the remote control to turn on the power.
2. Press the **POWER** ( ⏻ ) button in the right corner of the front panel.
   or,
   Press **POWER** on the remote control again to turn off the power.




### Adjusting the volume

Press the **VOLUME +/–** button in the right corner of the front panel.

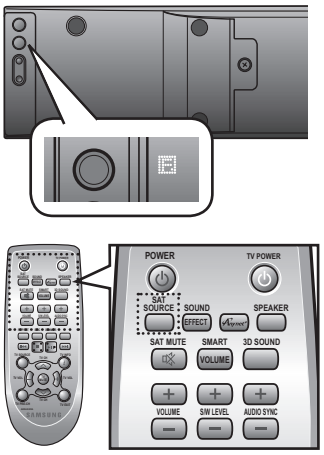
or,

Press **VOLUME +/–** on the remote control to increase or decrease the volume level.

- The numeric value of the volume level appears in the front panel display.

- The volume level increases or decreases when you press VOLUME +/–.
- If you want to enjoy the sound only from the Crystal Surround Air Track, you must turn off the TV's speakers in the Audio Setup menu of your TV. Refer to the owner's manual supplied with your TV.

# ADVANCED FUNCTIONS




## Using the input mode

You can select either AUX, HDMI, USB input or ARC input.
Press an appropriate button on the remote control to select a desired mode, or press F to select one from: AUX, HDMI, USB or ARC mode.

| Input mode | Display |
|---|---|
| AUX input | AUX |
| HDMI input | HDMI |
| USB mode | USB |
| ARC mode | ARC |

The unit turns off automatically in the following situations:

- Aux Mode: If no cable is inserted in the jack for 20 minutes.
- USB Mode: If the "NO USB" or "Stop" state lasts for 20 minutes.

## To connect the Crystal Surround Air Track to a USB HOST device

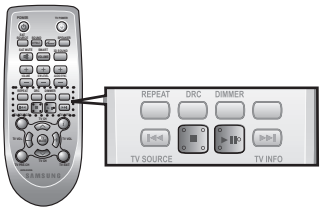
1. Connect the USB device to the USB port on the side of the unit.
2. Press the (F) button on the front panel of the home cinema system repeatedly until **USB** appears.
   - Each time the button is pressed, the selection changes as follows : AUX ➡ HDMI ➡ USB ➡ ARC
3. **USB** appears on the display screen and then disappears.
   - The Crystal Surround Air Track connection is complete.
   - It automatically turns off (Auto Power Off) if no USB device has been connected for more than 20 minutes.

## Before you connect a USB device

Compatibility: USB storage

- If the file name of a folder on a USB device exceeds 10 characters, it is not displayed on the VFD.
- This product may not be compatible with certain types of USB storage media.
- The file systems FAT16 and FAT32 are supported.
  - The NTFS file system is not supported.
- Connect a USB device directly to the USB port of the product. Otherwise, you may encounter a USB compatibility problem.
- Do not connect multiple storage devices to the product via a multi-card reader. It may not operate properly.
- Digital camera PTP protocols are not supported.
- Do not remove the USB device while it is being read.
- DRM-protected music files (MP3, WMA) from a commercial web site will not be played.
- External HDDs are not supported.
- Compatibility list

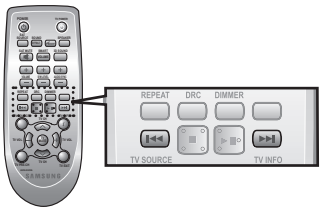
| Format | Music | |
|---|---|---|
| File name | MP3 | WMA |
| File extension | .MP3 | .WMA |
| Bit rate | 80~320 kbps | 56~128 kbps |
| Version | - | V8 |
| Pixel | - | - |
| Sampling Frequency | 44.1KHz | 44.1KHz |




## Play/Pause/Stop

During playback, press the ►II,■ button.

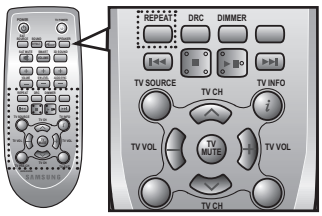
- Press the ►II button again to stop playing the file temporarily. Press the ►II button to play the selected file.
- To stop playback, press the Stop (■) button during playback.




## Skip Forward/Back

During playback, press the I◄◄,►►I button.

- When there is more than one file and you press the ►►I button, the next file is selected.
- When there is more than one file and you press the I◄◄ button, the previous file is selected.



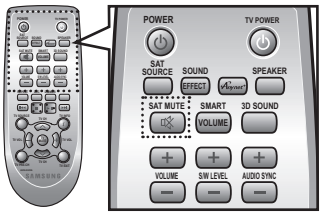

## Using the REPEAT function

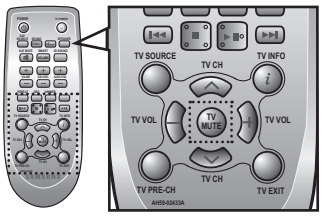
Repeat playback allows you to repeatedly play a file, repeat all, randomly play files, or turn Repeat off.

Press the **REPEAT** button.

- **REPEAT FILE** : Repeat playing a track
- **REPEAT ALL** : Repeat playing all tracks
- **REPEAT RANDOM** : Plays tracks in random order. (A track that has already been played may be played again.)
- **REPEAT OFF** : Cancels Repeat Playback.

▪ You can set the REPEAT function during the playback of music from a USB drive.

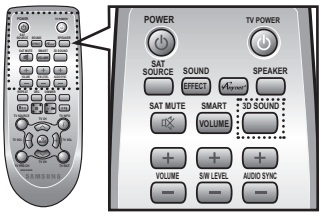



## Muting the sound

This is useful when answering a doorbell or telephone call.

1. To mute sound of this unit, press the **SAT MUTE** ( ) button of the remote control.
2. To mute the TV, press the **TV MUTE** button of the remote control.
3. Press **SAT MUTE** ( )**/ TV MUTE** on the remote control again (or press **VOLUME +/–**) to restore the sound.



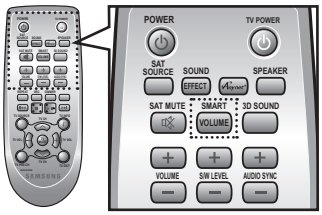

## Using the 3D Depth Sound function

The 3D Sound feature adds depth and spaciousness to the sound.

Press **3D SOUND** on the remote control.

- Each time the button is pressed, the selection changes as follows : 3D SOUND LOW ➡ 3D SOUND HIGH ➡ 3D SOUND OFF

▪ When you turn on the 3D Depth Sound, the Sound Effect will automatically change to OFF.

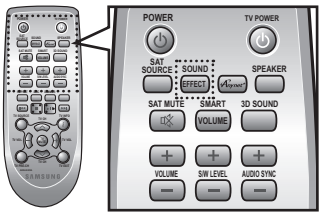



## Using the SMART VOLUME function

This will regulate and stabilize the volume level against a drastic volume change caused by a channel change or scene transition.

Press **SMART VOLUME** on the remote control.

- Each time the button is pressed, the selection changes as follows : SMART VOLUME ON ➡ SMART VOLUME OFF



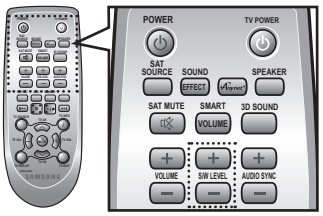

## Using the Sound effect

You can select from 7 different sound modes - MUSIC, NEWS, DRAMA, CINEMA, SPORTS, GAME, and OFF (Original Sound) - depending on the type of sources you want to enjoy.

Press **SOUND EFFECT** on the remote control.

- Select **OFF** mode if you want to enjoy the original sound.

- We recommend that you select a Sound Effect based on the source material and your personal taste.
- When you choose the Sound Effect (except OFF), the 3D Depth Sound will automatically be turned OFF.



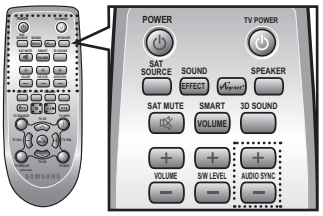

## Using the S/W LEVEL function

You can control the base volume with the S/W Level button on the Remote control.

**1**. Press the **S/W LEVEL** button on the Remote control.

**2**. **"SW 0"** appears on the Display.

**3**. Press **"+"** or **"-"** button on the **LEVEL** key if you want to increase or decrease the subwoofer volume. You can set it from SW -6 to SW +6.



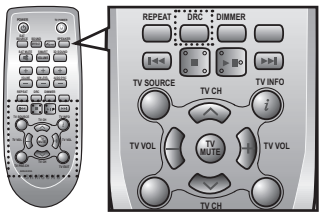

## Using the AUDIO SYNC function

Video may look slower than the audio if Air Track is connected to a digital TV. If this occurs, adjust the audio delay time to match the video.

Press **AUDIO SYNC +/–**. button on the remote control.

- You can use + , - button to set the audio delay time between 0 ms and 300 ms.

- In the USB mode, the Audio Sync function may not work.

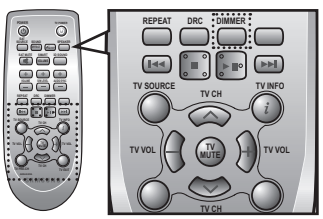



## Using the DRC function

This feature balances the range between the loudest and quietest sounds. You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.

Press **DRC** on the remote control of this unit.

- Each time the button is pressed, the selection changes as follows : DRC MIN ➡ DRC STANDARD ➡ DRC MAX

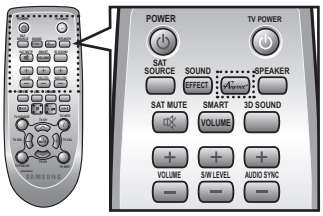



## Using the DIMMER function

This feature control the brightness of the Display.

Press **DIMMER** on the remote control of this unit.

- Each time the button is pressed, the selection changes as follows : DIMMER ON ➡ DIMMER OFF




## Using the Anynet+(HDMI-CEC) function

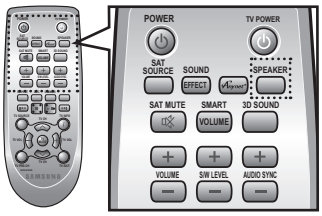
Anynet+ is a function that enables you to control other Samsung Devices with your Samsung TV's remote control.

The Anynet+ function turns on and off each time you press **Anynet+**.

**1**. Connect the product to a Samsung TV with the HDMI cable. (See page 12)

**2**. Set the Anynet+ function on your TV to ON. (See the TV instruction manual for more information.)

- Depending on your TV, certain HDMI output resolutions may not work.
- Please refer to the user's manual of your TV. Please check the Anynet+ logo (If your TV has an Anynet+ logo, then it supports Anynet+ function.)

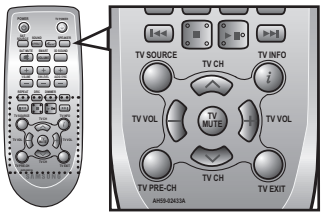



## SPEAKER button

This button enables you to select between listening to audio from your TV or audio from the Air Track when connected via HDMI.

Press **SPEAKER** on the remote control of this unit.

| AUDIO MODE | SPEAKER | Scroll Display | Display |
|---|---|---|---|
| HDMI IN | **TV** | TV SPEAKER | TV SPK |
| | **Air Track** | AVR SPEAKER | HDMI |
| ARC | **TV** | TV SPEAKER | S MUTE |
| | **Air Track** | AVR SPEAKER | TV ARC |




## Using the TV functions

**1**. Press **TV SOURCE** on the remote control of this unit.

**2**. Press **TV INFO** on the remote control to display the TV channel information.

**3**. Press **TV CH** on the remote control to select the TV channel.

**4**. Press **TV VOL** on the remote control to increase or decrease the volume level.

**5**. Use **TV PRE-CH** button to move to the previous TV channel in TV mode.

**6**. To exit the TV menu, use the **TV EXIT** button. (Functions same as the EXIT button of the TV remote control)

- The remote control can operate TVs made by SAMSUNG only.

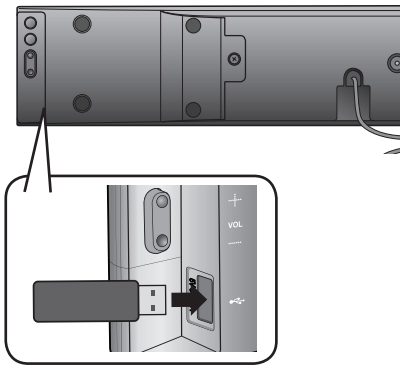
## SOFTWARE UPGRADE

Samsung may offer upgrades for the Crystal Surround Air Track's system firmware in the future.

If an upgrade is offered, you can upgrade the firmware by connecting a USB drive with the firmware upgrade stored on it to the USB port on your Air Track.

Note that if there are multiple upgrade files, you must load them onto the USB drive singly and use them to upgrade the firmware one at a time.

Please visit Samsung.com or contact the Samsung call center to receive more information about downloading upgrades files.




- Insert a USB drive containing the firmware upgrade into the USB port on the back of the main unit.
- Please be careful to not disconnect the power or remove the USB drive while upgrades are being applied. The main unit will turn off automatically after completing the firmware upgrade.
  When software is upgraded, settings you have made will return to their default (factory) settings. We recommend you write down your settings so that you can easily reset them after the upgrade.
- If the firnware fails to upgrade, we recommend formatting the USB data in FAT16 and trying again.
- For upgrading purposes, do not format the USB drive in NTFS format because it is not a supported file system.
- Depending on the manufacturer, the USB may not be supported.

# troubleshooting

Before requesting service, please check the following.

| Symptom | Check | Remedy |
|---|---|---|
| **The unit will not turn on.** | • Is the power cord plugged into the outlet? | • Connect the power plug to the outlet. |
| **A function does not work when the button is pressed.** | • Is there static electricity in the air? | • Disconnect the power plug and connect it again. |
| **Sound is not produced.** | • Is the unit properly connected to your TV?<br>• Is the Mute function on?<br>• Is the volume set to minimum? | • Connect it correctly.<br>• Press the Mute button to cancel the function.<br>• Adjust the volume. |
| **The Picture does not appear on a TV when the function is selected.** | • Is the TV connected properly? | • Connect it correctly. |
| **The Remote control does not work.** | • Are the batteries drained?<br>• Is the distance between remote control and main unit too far? | • Replace with new batteries.<br>• Operate at a close distance. |
| **The sound from the left/right channels are reversed.** | • Are the left/right audio output cables from the TV connected properly? | • Check the left/right channel and connect it/them correctly. |

# appendix

## SPECIFICATIONS

| Model name | HW-E350 |
|---|---|

| | | | |
|---|---|---|---|
| GENERAL | Standby power consumption | | 0.45W |
| | Power consumption | Main unit | 25.8W |
| | Weight | Main unit | 2.2 kg |
| | Dimensions (W x H x D) | Main unit | 734 x 85.1 x 80 mm |
| | Operating temperature range | | +5°C to +35°C |
| | Operating humidity range | | 10 % to 75 % |
| AMPLIFIER | Rated output power | Front | 30W/CH, 8OHM, THD = 10%, 1KHz |
| | | Subwoofer | 60W/CH, 4OHM, THD = 10%, 100Hz |
| | Input sensitivity/Impedance | | 570mV/20Kohm |
| | S/N ratio (analog input) | | 75dB |
| | Separation(1kHz) | | 65dB |

| | | |
|---|---|---|
| FREQUENCY RESPONSE | Analog input | 20Hz~20kHz(±3dB) |
| | Digital input/48kHz PCM | 20Hz~20kHz(±3dB) |

***** S/N ratio, distortion, separation and usable sensitivity are based on measurement using AES (Audio Engineering Society) guidelines.

*****: Nominal specification

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.

## Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

| Area | Contact Centre ☎ | Web Site |
|---|---|---|
| ALBANIA | 42 27 5755 | www.samsung.com |
| AUSTRIA | 0810 - SAMSUNG (7267864, € 0.07/min) | www.samsung.com |
| BELGIUM | 02-201-24-18 | www.samsung.com/be (Dutch)<br>www.samsung.com/be_fr (French) |
| BOSNIA | 05 133 1999 | www.samsung.com |
| BULGARIA | 07001 33 11 | www.samsung.com |
| CROATIA | 062 SAMSUNG (062 726 7864) | www.samsung.com |
| CZECH | 800 - SAMSUNG (800-726786) | www.samsung.com |
| DENMARK | 70 70 19 70 | www.samsung.com |
| FINLAND | 030 - 6227 515 | www.samsung.com |
| FRANCE | 01 48 63 00 00 | www.samsung.com |
| GERMANY | 01805 - SAMSUNG(726-7864 € 0,14/Min) | www.samsung.com |
| CYPRUS | 8009 4000 only from landline | www.samsung.com |
| GREECE | 80111-SAMSUNG (80111 726 7864) only from land line (+30) 210 6897691 from mobile and land line | www.samsung.com |
| HUNGARY | 06-80-SAMSUNG(726-7864) | www.samsung.com |
| ITALIA | 800-SAMSUNG(726-7864) | www.samsung.com |
| KOSOVO | +381 0113216899 | www.samsung.com |
| LUXEMBURG | 261 03 710 | www.samsung.com |
| MACEDONIA | 023 207 777 | www.samsung.com |
| MONTENEGRO | 020 405 888 | www.samsung.com |

| Area | Contact Centre ☎ | Web Site |
|---|---|---|
| NETHERLANDS | 0900-SAMSUNG (0900-7267864) (€ 0,10/Min) | www.samsung.com |
| NORWAY | 815-56 480 | www.samsung.com |
| POLAND | 0 801-1SAMSUNG(172-678)<br>+48 22 607-93-33 | www.samsung.com |
| PORTUGAL | 808 20-SAMSUNG (808 20 7267) | www.samsung.com |
| ROMANIA | 08010 SAMSUNG (08010 726 7864) only from landline (+40) 21 206 01 10 from mobile and land line | www.samsung.com |
| SERBIA | 0700 Samsung (0700 726 7864) | www.samsung.com |
| SLOVAKIA | 0800 - SAMSUNG(0800-726 786) | www.samsung.com |
| SPAIN | 902 - 1 - SAMSUNG (902 172 678) | www.samsung.com |
| SWEDEN | 0771 726 7864 (SAMSUNG) | www.samsung.com |
| Switzerland | 0848 - SAMSUNG(7267864, CHF 0.08/min) | www.samsung.com/ch<br>www.samsung.com/ch_fr (French) |
| U.K | 0330 SAMSUNG (7267864) | www.samsung.com |
| EIRE | 0818 717100 | www.samsung.com |
| LITHUANIA | 8-800-77777 | www.samsung.com |
| LATVIA | 8000-7267 | www.samsung.com |
| ESTONIA | 800-7267 | www.samsung.com |

## Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems.)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

## Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Code No. AH68-02430C (00)